

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1221A1-3-24DC-RC-Y(60-CL-3RGBWN-AJ, P4)

报告编号:

电压(V): 24.8000

测试编号: 20210303014

电流(A): 0.2350

光源规格型号: CL

功率(W): 5.8000

每个光源光通量(lm)

功率因数: 1.0240

光源数量: 3

镇流器型号:

发光面长度(mm): 52

发光面宽度(mm): 52

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 256.06

灯具效能(lm/w): 44.15

中心光强(cd): 257.225

最大光强(cd): 286.462

最大光强角度: $C=30.0$ $\gamma=8.0$

半峰边角(50%Imax): [C0/180]Total=51.7

[C90/270]Total=52.9

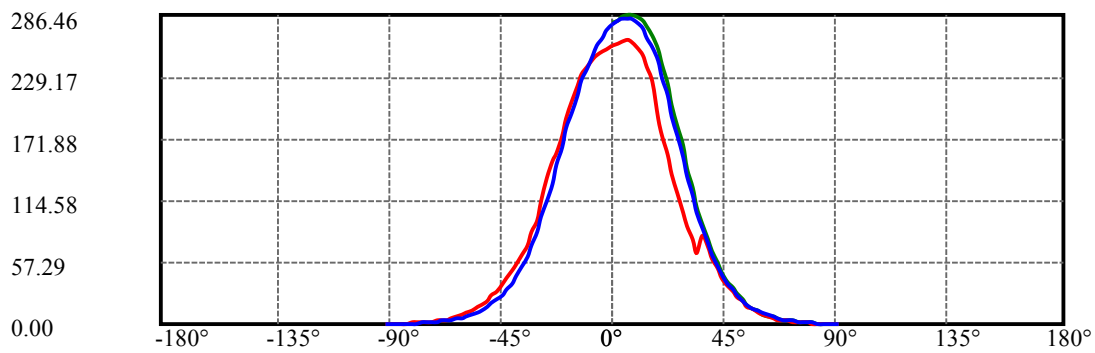
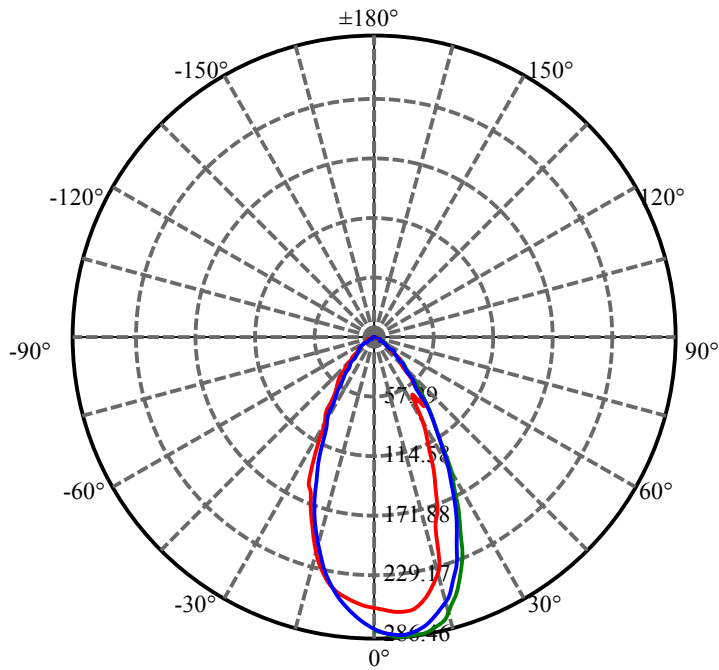
光束扩散角(10%Imax): [C0/180]Total=98.2

[C90/270]Total=93.3

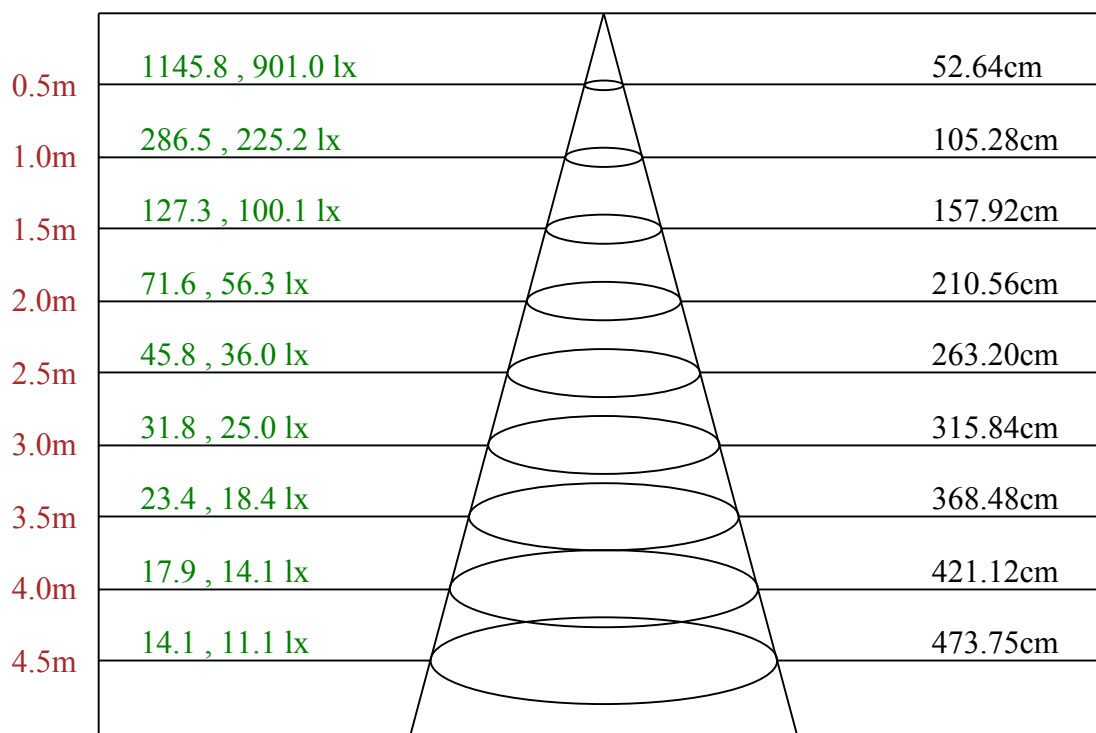
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/3
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

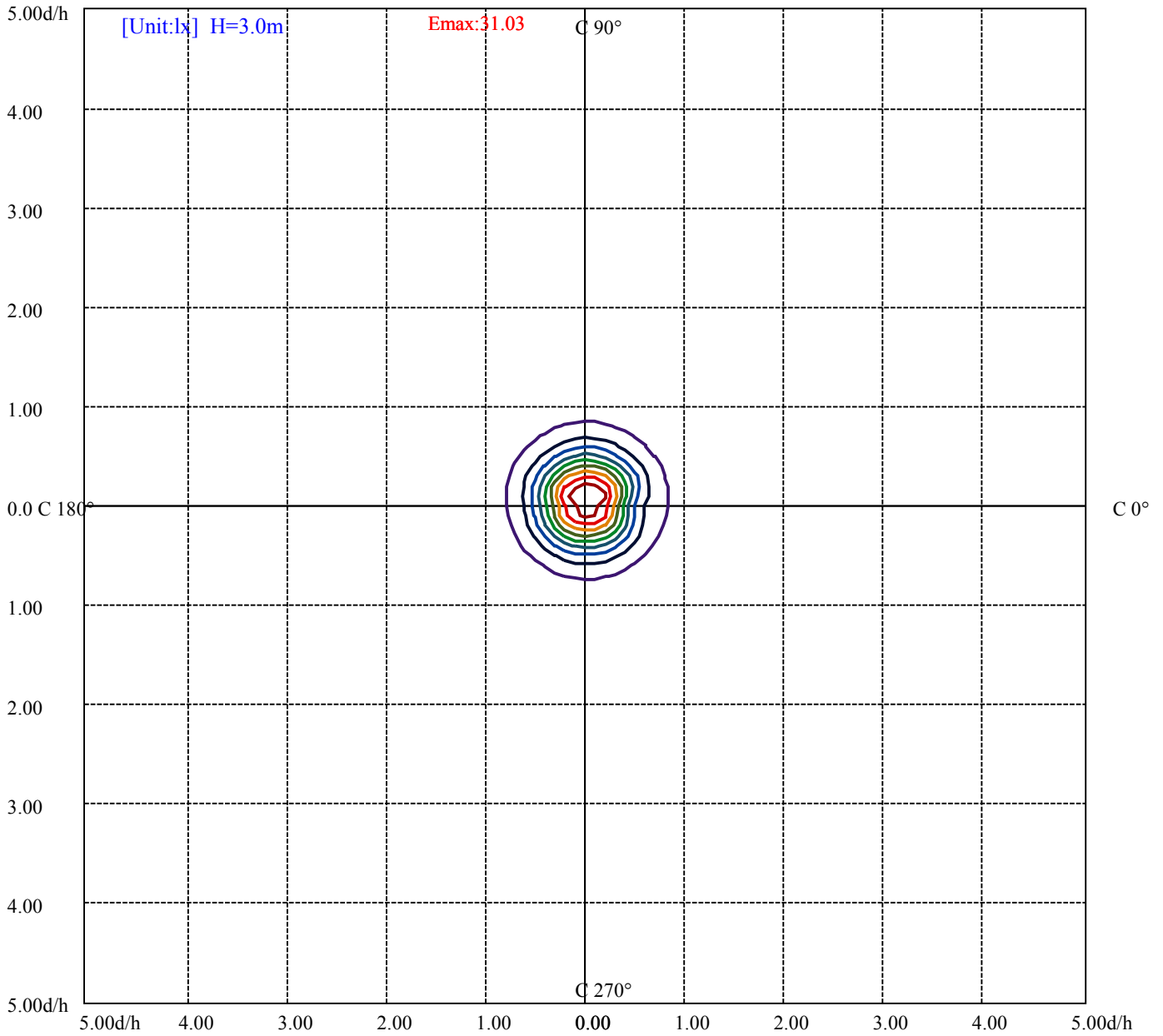


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角55.35

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平面等照度曲线



- (10%Emax) 3.102844
- (20%Emax) 6.205689
- (30%Emax) 9.308534
- (40%Emax) 12.41133
- (50%Emax) 15.51422
- (60%Emax) 18.61711
- (70%Emax) 21.71989
- (80%Emax) 24.82278
- (90%Emax) 27.92567

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

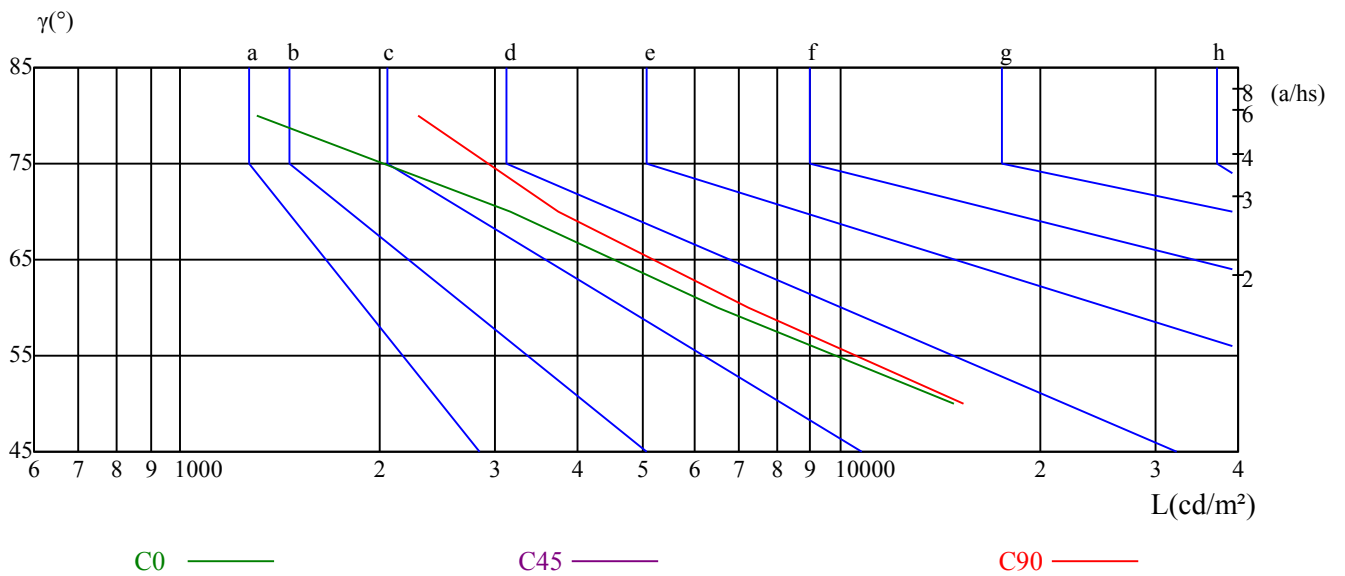
γ	45	50	55	60	65	70	75	80	85
C0	0	14835	0	6527	0	3153	0	1307	0
C45	0	0	0	0	0	0	0	0	0
C90	0	15320	0	7265	0	3734	0	2288	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
0	0	0	0	0	0	0	0	0

眩光等级表

眩光等级	质量等级	使用照度(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

亮度限制曲线



参照UGR的照射评估											
天花板反射率	70	70	50	50	30	70	70	50	50	30	
墙壁反射率	50	30	50	30	30	50	30	50	30	30	
地板反射率	20	20	20	20	20	20	20	20	20	20	
空间尺寸	Viewed crosswise					Viewed endwise					
X	Y										
2H	2H	19.68	20.81	20.05	21.13	21.44	19.86	20.99	20.23	21.30	21.62
	3H	20.14	21.14	20.52	21.47	21.84	20.30	21.30	20.69	21.63	22.00
	4H	20.24	21.16	20.64	21.51	21.90	20.42	21.34	20.82	21.69	22.08
	6H	20.25	21.09	20.66	21.46	21.86	20.43	21.28	20.85	21.65	22.05
	8H	20.22	21.02	20.65	21.41	21.82	20.41	21.21	20.84	21.60	22.01
	12H	20.19	20.95	20.62	21.33	21.76	20.39	21.15	20.82	21.53	21.96
4H	2H	19.76	20.69	20.17	21.04	21.43	19.92	20.85	20.33	21.20	21.59
	3H	20.34	21.09	20.76	21.50	21.90	20.49	21.24	20.90	21.64	22.05
	4H	20.49	21.15	20.92	21.58	22.02	20.65	21.32	21.09	21.74	22.19
	6H	20.52	21.09	20.99	21.54	22.01	20.69	21.26	21.15	21.71	22.18
	8H	20.50	21.03	20.97	21.48	21.95	20.66	21.19	21.14	21.64	22.12
	12H	20.46	20.93	20.95	21.41	21.89	20.64	21.10	21.13	21.59	22.07
8H	4H	20.45	20.98	20.92	21.43	21.90	20.60	21.14	21.08	21.59	22.06
	6H	20.50	20.93	21.01	21.43	21.92	20.65	21.08	21.16	21.58	22.06
	8H	20.49	20.88	21.02	21.40	21.89	20.63	21.02	21.16	21.54	22.03
	12H	21.04	21.38	21.56	21.87	22.45	21.17	21.51	21.69	22.00	22.58
12H	4H	20.40	20.86	20.89	21.35	21.83	20.56	21.02	21.05	21.51	21.98
	6H	20.84	20.84	20.99	21.31	21.86	20.99	20.99	21.14	21.46	22.00
	8H	20.46	20.80	20.98	21.30	21.87	20.60	20.94	21.12	21.44	22.01
对应照射距离，改变观察者位置S											
S = 1.0H	1.9/-2.6					1.8/-2.8					
S = 1.5H	3.8/-4.5					3.1/-4.9					
S = 2.0H	6.1/-5.5					5.4/-6.0					
标准表格	BK1					BK1					
更正系数	1.9					1.6					

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光强数据表(cd)

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	257.22	259.60	261.91	262.75	261.52	256.84	249.32	237.58	223.69
30.0	278.94	281.93	284.47	286.15	286.46	285.16	281.55	275.49	266.66
60.0	278.56	282.16	284.85	286.08	285.62	283.24	278.33	271.11	260.98
90.0	277.18	280.78	282.93	283.55	282.32	278.56	273.19	265.28	255.61
120.0	277.18	279.71	281.01	280.48	278.63	274.34	267.97	259.07	248.63
150.0	276.41	277.33	277.56	276.79	274.57	270.35	264.36	256.30	245.10
180.0	257.22	254.77	252.24	249.47	245.33	239.04	230.67	219.78	205.81
210.0	278.94	275.49	271.11	265.51	258.22	249.70	238.65	226.53	212.03
240.0	278.56	273.57	267.66	260.22	251.09	241.03	229.29	215.94	200.82
270.0	277.18	271.88	265.67	257.53	248.55	237.04	225.46	211.57	196.29
300.0	277.18	273.49	268.12	262.06	254.23	245.25	235.12	222.62	207.81
330.0	276.41	274.72	272.50	268.66	264.05	257.38	249.47	238.19	225.53
360.0	257.22	259.60	261.91	262.75	261.52	256.84	249.32	237.58	223.69
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	190.08	174.88	156.39	137.90	121.25	103.67	90.01	77.43	66.53
30.0	254.46	239.42	222.77	203.66	183.56	164.60	144.65	125.62	108.97
60.0	248.71	234.36	217.24	199.44	179.49	159.15	139.51	121.40	103.90
90.0	243.10	228.29	211.03	192.46	174.27	155.39	137.82	120.02	103.21
120.0	235.28	219.70	202.89	184.17	164.76	145.26	127.69	110.43	94.62
150.0	231.90	215.48	198.75	179.72	161.53	142.42	124.39	108.28	92.78
180.0	190.92	175.04	159.00	151.48	134.67	114.19	96.69	84.80	73.28
210.0	196.76	179.34	161.07	143.12	126.00	108.97	93.77	80.42	68.45
240.0	185.70	168.82	150.87	134.44	117.26	100.76	86.18	73.98	62.39
270.0	181.02	163.68	147.34	130.61	114.03	98.84	85.87	73.13	62.16
300.0	191.92	175.81	157.70	141.12	124.01	107.51	92.93	80.27	68.07
330.0	210.41	193.99	175.88	157.54	139.89	122.32	106.05	90.93	78.50
360.0	190.08	174.88	156.39	137.90	121.25	103.67	90.01	77.43	66.53
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	82.19	70.45	60.16	51.11	43.28	36.37	30.70	25.78	21.49
30.0	92.93	78.96	66.84	56.71	47.65	39.83	33.46	27.78	22.79
60.0	88.32	75.36	63.54	54.02	45.12	38.22	32.23	27.24	22.71
90.0	88.86	75.59	63.77	53.72	45.51	38.06	32.08	26.63	22.02
120.0	81.34	69.29	59.16	49.65	42.36	35.61	30.23	25.25	20.95
150.0	79.12	67.45	57.63	48.81	41.13	34.99	29.16	24.25	20.11
180.0	63.23	55.02	49.80	43.13	36.53	30.85	26.09	21.87	18.19
210.0	58.09	49.34	41.90	35.76	29.70	25.09	20.95	17.34	14.20
240.0	53.49	45.28	38.22	32.46	27.63	23.17	19.41	16.42	13.51
270.0	53.26	44.89	38.22	32.00	26.86	22.48	18.88	15.50	12.82
300.0	57.94	49.65	41.90	35.61	30.00	25.40	21.49	17.96	15.04
330.0	67.07	56.86	48.81	41.28	34.61	29.01	24.40	20.03	16.58
360.0	82.19	70.45	60.16	51.11	43.28	36.37	30.70	25.78	21.49
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	16.73	13.66	10.90	8.82	6.75	5.45	4.37	3.61	2.92
30.0	18.57	15.12	12.05	9.59	7.75	6.29	5.14	3.99	3.38
60.0	18.88	15.73	12.74	10.36	8.36	6.68	5.29	4.14	3.38
90.0	18.11	14.96	12.28	9.82	8.06	6.52	5.29	4.37	3.45
120.0	17.57	14.50	11.82	9.67	7.83	6.22	4.99	4.07	3.38
150.0	16.42	13.43	10.82	8.75	7.06	5.83	4.68	3.91	3.15
180.0	15.27	12.66	10.51	8.36	6.83	5.53	4.37	3.53	2.92
210.0	11.51	9.44	7.52	6.29	5.14	4.30	3.68	3.15	2.46
240.0	11.20	9.44	7.60	6.29	4.99	4.14	3.45	2.92	2.38
270.0	10.44	8.44	6.91	5.68	4.76	3.91	3.30	2.76	2.30
300.0	12.66	10.44	8.44	6.98	5.60	4.60	3.68	2.99	2.30
330.0	13.51	10.82	8.82	7.14	5.76	4.68	3.84	3.15	2.53
360.0	16.73	13.66	10.90	8.82	6.75	5.45	4.37	3.61	2.92

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光强数据表(cd)

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C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	2.46	2.00	1.53	1.07	0.61	0.38	0.23	0.15	0.08
30.0	2.69	2.30	1.69	1.30	0.92	0.61	0.31	0.23	0.08
60.0	2.53	2.07	1.76	1.23	1.00	0.61	0.38	0.23	0.08
90.0	2.84	2.23	1.76	1.30	1.07	0.61	0.31	0.15	0.15
120.0	2.76	2.15	1.76	1.38	0.92	0.46	0.31	0.15	0.08
150.0	2.61	2.07	1.61	1.23	0.31	0.23	0.31	0.15	0.00
180.0	2.38	2.00	1.69	1.23	0.92	0.61	0.38	0.23	0.15
210.0	2.00	1.61	1.23	0.77	0.54	0.31	0.15	0.08	0.00
240.0	2.00	1.61	1.15	0.77	0.38	0.23	0.23	0.08	0.00
270.0	1.84	1.38	1.07	0.69	0.38	0.15	0.15	0.00	0.00
300.0	1.92	1.53	1.15	0.84	0.54	0.38	0.08	0.08	0.00
330.0	2.07	1.53	1.23	0.92	0.46	0.31	0.15	0.15	0.00
360.0	2.46	2.00	1.53	1.07	0.61	0.38	0.23	0.15	0.08

C/γ(°)	90.0
0.0	0.00
30.0	0.00
60.0	0.00
90.0	0.00
120.0	0.00
150.0	0.00
180.0	0.08
210.0	0.00
240.0	0.00
270.0	0.00
300.0	0.00
330.0	0.00
360.0	0.00